

**PHILIP MORRIS PRODUCTS, INC.**

ECUADOR TEST #253

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DATE:

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ECUADOR TEST #253

Four cigarette brands of August production were received from Ecuador (Quito) on November 12, 1992.

The current Marlboro Lights Long Size cigarettes were not different from the previous average in any of the characteristics tested.

This is the first sample of Superior Long Size cigarettes received from Ecuador since October 1991; therefore, no previous data are reported.

MANUFACTURER	<u>PHILIP MORRIS</u>		
	<u>Marlboro Lights</u>	<u>Long Size</u>	<u>Superior Long</u>
	<u>20's (Box)</u>	<u>Size 20's (Box)</u>	
		<u>Current</u>	<u>Previous</u>
<u>Smoke</u>			<u>First Sample</u>
Butt Length, mm	30.0	30.0	27.0
FTC Tar, mg/cigt.	10.2	11.4	11.0
Nicotine, mg/cigt.	0.75	0.88	0.65
Puffs/Cigt.	7.5	7.9	6.1
<u>Cigarette</u>			
Total RTD, mm of H ₂ O	118	109	120
Length, mm	80.1	79.8	79.7
Circumference,mm	25.0	24.9	24.6
<u>Paper</u>			
Permeability, ml/cm ² x min.	31	33	26
<u>Filter</u>			
RTD, mm of H ₂ O	72	77	65
Length, mm	20.0	19.8	19.8
Tipping Paper Length,mm	27.0	27.0	24.0
Tipping Paper Color	White	White	Cork
Ventilation, %	18	19	None
<u>Filler</u>			
Total Alkaloids, % (DWB)	1.77	1.80	1.86
Total Red. Sugars, % (DWB)	8.5	7.3	3.3
Wt. of Tob., g (12.5% OV)	0.707	0.723	0.607
Rod Length, mm	60.1	60.0	59.9
Rod Density, g/cc	0.237	0.244	0.210
Oven Volatiles, % (Equil.)	13.4	13.6	11.9

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Lower tobacco weight and rod density were observed for the current Marlboro Long Size cigarettes.

The current Lark Long Size cigarettes were not different from the previous average in any of the characteristics tested.

MANUFACTURER	PHILIP MORRIS				
	Marlboro Long Size 20's (Box)		Lark Long Size 20's (Box)		
	Current	Previous U.S. ¹	Current	Previous	
Smoke					
Butt Length, mm	27.0	27.0	26.0	28.0	28.0
FTC Tar, mg/cigt.	13.2	14.3	15.6	14.1	13.6 ²
Nicotine, mg/cigt.	0.94	1.00	1.14	0.96	0.90 ²
Puffs/Cigt.	7.5	8.2	8.6	7.5	7.9
Cigarette					
Total RTD, mm of H ₂ O	120	109 ²	105	121	118
Length, mm	79.5	79.9	79.4	79.9	79.9
Circumference,mm	24.8	24.7	25.0	24.7	24.7
Paper					
Permeability, ml/cm ² x min.	28	33	41	23	25
Filter					
RTD, mm of H ₂ O	65	66	66	60	64
Length, mm	19.8	19.9	18.9	19.5	19.7
Carbon, mg/plug	-	-	-	64	68
Tipping Paper Length,mm	24.0	24.0	23.0	25.0	25.0
Tipping Paper Color	Cork	Cork	Cork	Cork	Cork
Ventilation, %	None	None	14	None	None
Filler					
Total Alkaloids, % (DWB)	1.85	1.75	1.89	1.83	1.75
Total Red. Sugars, % (DWB)	8.3	7.7	6.3	8.6	8.2 ²
Wt. of Tob., g (12.5% OV)	0.683	0.730	0.707	0.690	0.698
Rod Length, mm	59.7	60.0	60.5	60.4	60.3
Rod Density, g/cc	0.234	0.251	0.236	0.236	0.240
Oven Volatiles, % (Equil.)	13.5	13.7	13.5	13.7	13.8

¹Data from C.I. No. 11/92.

²Results from Test #252, dated 10/9/92, where a change was noted.

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